

Shuai Tan

List of Publications by Year in descending order

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papers

563
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759233

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all docs

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38
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437
citing authors

#	ARTICLE	IF	CITATIONS
1	A Novel Dynamic Weight Principal Component Analysis Method and Hierarchical Monitoring Strategy for Process Fault Detection and Diagnosis. IEEE Transactions on Industrial Electronics, 2020, 67, 7994-8004.	7.9	69
2	Rolling Bearing Initial Fault Detection Using Long Short-Term Memory Recurrent Network. IEEE Access, 2019, 7, 171559-171569.	4.2	53
3	Fault detection and diagnosis via standardized k nearest neighbor for multimode process. Journal of the Taiwan Institute of Chemical Engineers, 2020, 106, 1-8.	5.3	46
4	Multisubspace Orthogonal Canonical Correlation Analysis for Quality-Related Plant-Wide Process Monitoring. IEEE Transactions on Industrial Informatics, 2021, 17, 6368-6378.	11.3	41
5	Novel Monitoring Strategy Combining the Advantages of the Multiple Modeling Strategy and Gaussian Mixture Model for Multimode Processes. Industrial & Engineering Chemistry Research, 2015, 54, 11866-11880.	3.7	37
6	Information concentrated variational auto-encoder for quality-related nonlinear process monitoring. Journal of Process Control, 2020, 94, 12-25.	3.3	37
7	Multisubspace Elastic Network for Multimode Quality-Related Process Monitoring. IEEE Transactions on Industrial Informatics, 2020, 16, 5874-5883.	11.3	33
8	Deep neural network based recursive feature learning for nonlinear dynamic process monitoring. Canadian Journal of Chemical Engineering, 2020, 98, 919-933.	1.7	27
9	Performance monitoring method based on balanced partial least square and Statistics Pattern Analysis. ISA Transactions, 2018, 81, 121-131.	5.7	22
10	Highly Toughened Sustainable Green Polyglycolic Acid/Polycaprolactone Blends with Balanced Strength: Morphology Evolution, Interfacial Compatibilization, and Mechanism. ACS Applied Polymer Materials, 2022, 4, 5772-5780.	4.4	20
11	Consistency Regularization Auto-Encoder Network for Semi-Supervised Process Fault Diagnosis. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-15.	4.7	15
12	Convolutional Neural Network Based Feature Learning for Large-Scale Quality-Related Process Monitoring. IEEE Transactions on Industrial Informatics, 2022, 18, 4555-4565.	11.3	14
13	Large-Scale Supervised Process Monitoring Based on Distributed Modified Principal Component Regression. Industrial & Engineering Chemistry Research, 2019, 58, 18223-18240.	3.7	12
14	Improved Parallax Image Stitching Algorithm Based on Feature Block. Symmetry, 2019, 11, 348.	2.2	11
15	Distributed Supervised Fault Detection and Diagnosis for a Non-Gaussian Process. Industrial & Engineering Chemistry Research, 2019, 58, 6592-6603.	3.7	10
16	Hierarchical Latent Variable Extraction and Multisegment Probability Density Analysis Method for Incipient Fault Detection. IEEE Transactions on Industrial Informatics, 2022, 18, 2244-2254.	11.3	10
17	Nonlinear process monitoring based on load weighted denoising autoencoder. Measurement: Journal of the International Measurement Confederation, 2021, 171, 108782.	5.0	10
18	Modeling and simulation of iron ore pellet drying and induration process with accurate bed void fraction calculation. Drying Technology, 2016, 34, 651-664.	3.1	9

#	ARTICLE	IF	CITATIONS
19	Process Monitoring via Key Principal Components and Local Information Based Weights. IEEE Access, 2019, 7, 15357-15366.	4.2	9
20	A Supervised Adaptive Resampling Monitoring Method for Quality Indicator in Time-Varying Process. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-10.	4.7	9
21	A status-relevant blocks fusion approach for operational status monitoring. Engineering Applications of Artificial Intelligence, 2021, 106, 104455.	8.1	7
22	Rolling Bearing Incipient Fault Detection via Optimized VMD Using Mode Mutual Information. International Journal of Control, Automation and Systems, 2022, 20, 1305-1315.	2.7	7
23	Distributed process monitoring framework based on decomposed modified partial least squares. Canadian Journal of Chemical Engineering, 2019, 97, 3087-3100.	1.7	6
24	Self-attention-based Multi-block regression fusion Neural Network for quality-related process monitoring. Journal of the Taiwan Institute of Chemical Engineers, 2022, 133, 104140.	5.3	6
25	Operating performance assessment and non-optimal cause identification for chemical process. Canadian Journal of Chemical Engineering, 2019, 97, 1475-1487.	1.7	5
26	Multiblock Adaptive Convolution Kernel Neural Network for Fault Diagnosis in a Large-Scale Industrial Process. Industrial & Engineering Chemistry Research, 2022, 61, 4879-4895.	3.7	5
27	Quality Weakly Related Fault Detection Based on Weighted Dual-Step Feature Extraction. IEEE Access, 2019, 7, 7860-7871.	4.2	4
28	Tensor sequence component analysis for fault detection in dynamic process. Canadian Journal of Chemical Engineering, 2020, 98, 225-236.	1.7	4
29	Adaptive Manifold Discriminative Distribution Alignment for Fault Diagnosis of Chemical Processes. Industrial & Engineering Chemistry Research, 2021, 60, 9860-9870.	3.7	4
30	Serial correlated-uncorrelated concurrent space method for process monitoring. Journal of Process Control, 2021, 105, 292-301.	3.3	4
31	Multi-Module Decision Fusion in Operational Status Monitoring. IEEE Transactions on Control Systems Technology, 2022, 30, 2420-2432.	5.2	4
32	A supervised multisegment probability density analysis method for incipient fault detection of quality indicator. Journal of Process Control, 2022, 116, 53-63.	3.3	4
33	A hybrid specific index-related process monitoring strategy based on a novel two-step information extraction method. Journal of Central South University, 2018, 25, 2896-2909.	3.0	2
34	Quality monitoring method based on enhanced canonical component analysis. ISA Transactions, 2020, 105, 221-229.	5.7	2
35	Weighted Conditional Discriminant Analysis for Unseen Operating Modes Fault Diagnosis in Chemical Processes. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-14.	4.7	2
36	A flow-guided self-calibration Siamese network for visual tracking. Visual Computer, 2023, 39, 625-637.	3.5	2

#	ARTICLE	IF	CITATIONS
37	Improved Ensemble Feature Selection Based on DT for KPI Prediction. IEEE Access, 2021, 9, 136861-136871.	4.2	1
38	Specific index-related process monitoring using a two-step information extraction method. , 2018, , .		0